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PART 2

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The subject index includes two types of cross references to aid the user of the index in locating the material being sought:

1. "USE" references (U) direct the user to alternate headings under which material on the subject will be found, for example

COLUMBIUM  
U NIOBIUM

2. "NARROWER TERM" references (NT) refer the user to more specific headings in the same subject area, for example

LUMINESCENCE  
NT ELECTROLUMINESCENCE



The subject heading is the key to the subject content of the document. Titles of documents are followed by the *IAA* issue numbers, page numbers, and accession numbers under pertinent subject headings. When the title is insufficiently descriptive of document content, a title extension has been added (separated from the title by three hyphens) to better describe the content of the document. The titles, with title extensions if present, are arranged under each subject heading in ascending accession number order.

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NT	FLOWMETERS	NT	SILICON RADIATION DETECTORS
NT	GALVANOMETERS	NT	SOLAR SPECTROMETERS
NT	GAMMA RAY SPECTROMETERS	NT	SONDES
NT	GEODIMETERS	NT	SONIC ANEMOMETERS
NT	GONIOMETERS	NT	SPACECRAFT POSITION INDICATORS
NT	GRAVIMETERS	NT	SPECTROHELIOGRAPHS
NT	GRAVITY GRADIOMETERS	NT	SPECTROMETERS
NT	GYROCOMPASSES	NT	SPECTROPHOTOMETERS
NT	HIGH DISPERSION SPECTROGRAPHS	NT	SPECTRORADIOMETERS
NT	HOT-FILM ANEMOMETERS	NT	SPEED INDICATORS
NT	HOT-WIRE ANEMOMETERS	NT	SPUTTERING GAGES
NT	HOT-WIRE FLOWMETERS	NT	STRAIN GAGE ACCELEROMETERS
NT	HYGROMETERS	NT	STRAIN GAGE BALANCES
NT	HYPSOMETERS	NT	STRAIN GAGES
NT	IMPEDANCE PROBES	NT	TACHOMETERS
NT	INFRARED DETECTORS	NT	TEMPERATURE MEASURING INSTRUMENTS
NT	INFRARED INSTRUMENTS	NT	TEMPERATURE PROBES
NT	INFRARED INTERFEROMETERS	NT	TENSOMETERS
NT	INFRARED RADIOMETERS	NT	THERMAL CONDUCTIVITY GAGES
NT	INFRARED SCANNERS	NT	THERMOMETERS
NT	INFRARED SPECTROMETERS	NT	THRESHOLD DETECTORS (DOSIMETERS)
NT	INFRARED SPECTROPHOTOMETERS	NT	TILTMETERS
NT	INTERFEROMETERS	NT	TIME MEASURING INSTRUMENTS
NT	ION PROBES	NT	TIME OF FLIGHT SPECTROMETERS
NT	ION TRAPS (INSTRUMENTATION)	NT	TIMING DEVICES
NT	IONIZATION GAGES	NT	TORQUEMETERS
NT	IONOSONDES	NT	TRANSITS
NT	LASER ALTIMETERS	NT	TRANSMISSOMETERS
NT	LASER ANEMOMETERS	NT	TURBULENCE METERS
NT	LASER DOPPLER VELOCIMETERS	NT	ULTRAVIOLET SPECTROMETERS
NT	LASER RANGE FINDERS	NT	VIBRATION METERS
NT	LASER SPECTROMETERS	NT	VISCOMETERS
NT	LIGHT SCATTERING METERS	NT	VOLTMETERS
NT	LUNAR SEISMOGRAPHS	NT	WEATHER DATA RECORDERS
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- NT CREEP PROPERTIES
- NT CREEP RUPTURE STRENGTH
- NT CREEP STRENGTH
- NT DIMENSIONAL STABILITY
- NT DUCTILITY
- NT DYNAMIC MODULUS OF ELASTICITY
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- NT ELASTOPLASTICITY
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- NT FATIGUE LIFE
- NT FIBER STRENGTH

- NT FLEXIBILITY
- NT FRACTURE STRENGTH
- NT HARDNESS
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**METAL OXIDES**

NT ALUMINUM OXIDES

NT BERYLLIUM OXIDES

NT CALCIUM OXIDES



NT CERIUM OXIDES  
 NT CHROMITES  
 NT CHROMIUM OXIDES  
 NT COBALT OXIDES  
 NT COPPER OXIDES  
 NT HAFNIUM OXIDES  
 NT ILMENITE  
 NT IRON OXIDES  
 NT LEAD OXIDES  
 NT LITHIUM OXIDES  
 NT MAGNESIUM OXIDES  
 NT MAGNETITE  
 NT MANGANESE OXIDES  
 NT MOLYBDENUM OXIDES  
 NT NICKEL OXIDES  
 NT NIOBIUM OXIDES  
 NT POTASSIUM OXIDES  
 NT RUTILE  
 NT SAPPHIRE  
 NT SILVER OXIDES  
 NT SODIUM PEROXIDES  
 NT TANTALUM OXIDES  
 NT TIN OXIDES  
 NT TITANIUM OXIDES  
 NT TUNGSTEN OXIDES  
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NT METAL POWDER  
 NT POWDERED ALUMINUM

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 NT POWDERED ALUMINUM

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NT BORON

NT GERMANIUM

NT GERMANIUM ISOTOPES

NT POLONIUM 210

NT SILICON

NT SILICON ISOTOPES

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NT CALIFORNIUM ISOTOPES

NT CERIUM

NT CESIUM

NT CESIUM VAPOR

NT CHROMIUM

NT COBALT

NT COBALT ISOTOPES

NT COBALT 60

NT ERBIUM

NT EUROPIUM

NT FERROUS METALS

NT GADOLINIUM

NT GALLIUM

NT GALLIUM ISOTOPES

NT GOLD

NT GOLD COATINGS

NT GOLD ISOTOPES

NT HAFNIUM ISOTOPES

NT HOLMIUM

NT HOLMIUM ISOTOPES

NT INDIUM

NT IRIDIUM

NT IRON

NT IRON ISOTOPES

NT IRON 57

NT LANTHANUM ISOTOPES

NT LEAD (METAL)

NT LEAD ISOTOPES

NT LIQUID METALS

NT LITHIUM

NT LITHIUM ISOTOPES

NT LUTETIUM ISOTOPES

NT MAGNESIUM

NT MAGNESIUM ISOTOPES

NT MANGANESE

NT MANGANESE ISOTOPES

NT MERCURY (METAL)

NT MERCURY ISOTOPES

NT METAL COATINGS

NT METAL CRYSTALS

NT METAL FILMS

NT METAL FOILS

NT METAL MATRIX COMPOSITES

NT METAL POWDER



NT METAL VAPORS  
 NT MOLYBDENUM  
 NT NEODYMIUM  
 NT NEODYMIUM ISOTOPES  
 NT NICKEL  
 NT NICKEL COATINGS  
 NT NICKEL ISOTOPES  
 NT NIOBIUM  
 NT NONFERROUS METALS  
 NT OSMIUM ISOTOPES  
 NT PALLADIUM  
 NT PLATINUM  
 NT PLUTONIUM 238  
 NT PLUTONIUM 244  
 NT POTASSIUM  
 NT POTASSIUM ISOTOPES  
 NT POWDERED ALUMINUM  
 NT RARE EARTH ELEMENTS  
 NT REFRACTORY METALS  
 NT RHENIUM  
 NT RHENIUM ISOTOPES  
 NT RUBIDIUM  
 NT RUBIDIUM ISOTOPES  
 NT RUTHENIUM  
 NT SAMARIUM  
 NT SCANDIUM  
 NT SILVER  
 NT SILVER ISOTOPES  
 NT SINTERED ALUMINUM POWDER  
 NT SODIUM  
 NT SODIUM VAPOR  
 NT STRONTIUM  
 NT STRONTIUM ISOTOPES  
 NT STRONTIUM 87  
 NT TANTALUM  
 NT TANTALUM ISOTOPES  
 NT TECHNETIUM  
 NT TERBIUM  
 NT THALLIUM  
 NT THALLIUM ISOTOPES  
 NT THORIUM  
 NT THORIUM ISOTOPES  
 NT TIN  
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 NT TRANSITION METALS  
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NT AUSTRALITES

NT BRUDERHEIM METEORITE

NT CARBONACEOUS CHONDRITES

NT CARBONACEOUS METEORITES

NT CHONDRITES

NT IRON METEORITES

NT MICROMETEORITES

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NT AMPHIBOLES  
NT BERYL  
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NT CALCITE



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## NITRIDES

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NT AMIDES  
NT AMMONIA  
NT AMMONIUM NITRATES  
NT ATROPINE  
NT AZIDES (INORGANIC)  
NT AZO COMPOUNDS  
NT BORON NITRIDES  
NT CAFFEINE  
NT CELLULOSE NITRATE  
NT CYANO COMPOUNDS  
NT GUANINES  
NT HYDROCYANIC ACID  
NT HYDROGEN AZIDES  
NT HYOSCINE  
NT IMIDES  
NT IMINES  
NT MORPHINE  
NT NICOTINAMIDE  
NT NITRATE ESTERS  
NT NITRATES  
NT NITRIC ACID  
NT NITRIC OXIDE  
NT NITRIDES  
NT NITRO COMPOUNDS  
NT NITROAMINES  
NT NITROBENZENES  
NT NITROGEN DIOXIDE  
NT NITROGEN OXIDES  
NT NITROGEN TETROXIDE  
NT NITROGLYCERIN  
NT NITROMETHANE  
NT NITROSAMINE  
NT NITROSYL CHLORIDES  
NT NITROUS OXIDES  
NT NITROXYCHLORIDES  
NT ORGANIC NITRATES  
NT OXYNITRIDES  
NT PETN  
NT POLYIMIDES

NT RDX  
NT SILICON NITRIDES  
NT THIOUREAS  
NT TITANIUM NITRIDES  
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 NT ADENOSINE DIPHOSPHATE  
 NT ADENOSINE TRIPHOSPHATE  
 NT ADENOSINES  
 NT ALANINE  
 NT AMINO ACIDS  
 NT CYCLIC AMP  
 NT CYCLIC COMPOUNDS  
 NT DOPA  
 NT FATTY ACIDS  
 NT FLUORINE ORGANIC COMPOUNDS  
 NT FLUOROCARBONS  
 NT FLUOROHYDROCARBONS  
 NT GLUTAMIC ACID  
 NT GLUTATHIONE  
 NT GLYCINE  
 NT MELANOIDIN  
 NT NUCLEOTIDES  
 NT ORGANIC LIQUIDS  
 NT ORGANIC SULFUR COMPOUNDS  
 NT PAPAIN  
 NT PEPTIDES  
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OXIDES

NT ALUMINUM OXIDES

NT ANHYDRIDES

NT BERYLLIUM OXIDES

NT CALCIUM OXIDES

NT CARBON DIOXIDE

NT CARBON MONOXIDE

NT CERIUM OXIDES

NT CHLORINE OXIDES

NT CHROMITES

NT CHROMIUM OXIDES

NT COBALT OXIDES

NT COPPER OXIDES

NT ENSTATITE

NT GERMANIUM OXIDES

NT HAFNIUM OXIDES

NT HEAVY WATER

NT HYDROGEN PEROXIDE

NT ILMENITE

NT INORGANIC PEROXIDES

NT IRON OXIDES

NT LEAD OXIDES

NT LITHIUM OXIDES

NT MAGNESIUM OXIDES

NT MAGNETITE

NT MANGANESE OXIDES

NT METAL OXIDES

NT MOLYBDENUM OXIDES

NT NICKEL OXIDES

NT NIOBIUM OXIDES

NT NITRIC OXIDE

NT NITROGEN DIOXIDE

NT NITROGEN OXIDES

NT NITROGEN TETROXIDE

NT NITROUS OXIDES



## OXIDIZERS

- NT ORGANIC PEROXIDES  
 NT PEROXIDES  
 NT PHOSPHORUS OXIDES  
 NT POTASSIUM OXIDES  
 NT PYROXENES  
 NT QUARTZ  
 NT RUTILE  
 NT SAPPHIRE  
 NT SILICON DIOXIDE  
 NT SILICON OXIDES  
 NT SILVER OXIDES  
 NT SODIUM PEROXIDES  
 NT SULFUR DIOXIDES  
 NT SULFUR OXIDES  
 NT TANTALUM OXIDES  
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**PARTICLE ACCELERATORS**

NT CYCLOTRONS

NT ELECTRON ACCELERATORS

NT ION ACCELERATORS

NT LINEAR ACCELERATORS

NT MICROTRONS

NT STORAGE RINGS (PARTICLE ACCELERATORS)

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NT ATOMIC BEAMS

NT ELECTRON BEAMS

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## PARTICLE COUNTERS

### U RADIATION COUNTERS

### PARTICLE DECAY

### U RADIOACTIVE DECAY

### PARTICLE DENSITY (CONCENTRATION)

- NT CARRIER DENSITY (SOLID STATE)
- NT ELECTRON DENSITY (CONCENTRATION)
- NT ELECTRON DENSITY PROFILES
- NT ELECTRON DISTRIBUTION
- NT ION DENSITY (CONCENTRATION)
- NT IONOSPHERIC ELECTRON DENSITY
- NT IONOSPHERIC ION DENSITY
- NT MAGNETOSPHERIC ELECTRON DENSITY
- NT MAGNETOSPHERIC ION DENSITY
- NT MAGNETOSPHERIC PROTON DENSITY
- NT PLASMA DENSITY
- NT PROTON DENSITY (CONCENTRATION)
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## PARTICLE EMISSION

- NT ELECTRON EMISSION
- NT FIELD EMISSION
- NT ION EMISSION
- NT NEUTRON EMISSION
- NT PHOTOELECTRIC EMISSION
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## PARTICLE FLUX

### U FLUX (RATE)

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- NT ANTIPOTONS
- NT ARGON PLASMA
- NT ARTIFICIAL RADIATION BELTS
- NT BARYONS
- NT BETA PARTICLES
- NT BOSONS
- NT BOUNDARY LAYER PLASMAS
- NT CATIONS
- NT CESIUM PLASMA
- NT CHARGED PARTICLES
- NT COLD PLASMAS
- NT COLLISIONAL PLASMAS
- NT COLLISIONLESS PLASMAS
- NT CONDUCTION ELECTRONS
- NT COSMIC PLASMA
- NT CYCLOTRON RADIATION
- NT CYLINDRICAL PLASMAS
- NT DENSE PLASMAS
- NT DEUTERIUM PLASMA
- NT DEUTERONS
- NT DROPS (LIQUIDS)
- NT ELECTRON BEAMS
- NT ELECTRON PLASMA
- NT ELECTRON PRECIPITATION
- NT ELECTRON RADIATION
- NT ELECTRONS
- NT ELEMENTARY PARTICLES
- NT ELLIPTICAL PLASMAS
- NT ENERGETIC PARTICLES
- NT FAST NEUTRONS
- NT FERMIONS



NT	FINES		
NT	FOG		
NT	FREE ELECTRONS		
NT	GLUONS		
NT	GRAVITONS		
NT	HADRONS		
NT	HEAVY NUCLEI		
NT	HELIUM PLASMA		
NT	HIGH ENERGY ELECTRONS		
NT	HIGH TEMPERATURE PLASMAS		
NT	HOT ELECTRONS		
NT	HYDROGEN PLASMA		
NT	INNER RADIATION BELT		
NT	ION CYCLOTRON RADIATION		
NT	LASER PLASMAS		
NT	LEPTONS		
NT	LIGHT BEAMS		
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NT	MAGNETICALLY TRAPPED PARTICLES		
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NT	METAL IONS		
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NT	MIST		
NT	MUONS		
NT	NEGATIVE IONS		
NT	NEUTRAL PARTICLES		
NT	NEUTRINOS		
NT	NEUTRONS		
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NT	NONUNIFORM PLASMAS		
NT	NUCLEAR PARTICLES		
NT	NUCLEI (NUCLEAR PHYSICS)		
NT	NUCLEONS		
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NT	PLASMA CLOUDS		
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NT	PLASMA LAYERS		
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NT	PLASMAS (PHYSICS)		
NT	POLARONS		
NT	POSITRONS		
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NT	POWDERED ALUMINUM		
NT	PRIMARY COSMIC RAYS		
NT	PROTON BELTS		
NT	PROTONS		
NT	QUARKS		
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NT	RAINDROPS		
NT	RAREFIED PLASMAS		
NT	RELATIVISTIC ELECTRON BEAMS		
NT	RELATIVISTIC PARTICLES		
NT	RELATIVISTIC PLASMAS		
NT	ROTATING PLASMAS		
NT	SOLAR CORPUSCULAR RADIATION		
NT	SOLAR COSMIC RAYS		
NT	SOLAR ELECTRONS		
NT	SOLAR NEUTRINOS		
NT	SOLAR PROTONS		
NT	SOLAR WIND		
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NT ARC MELTING  
NT BOILING  
NT EVAPORATION  
NT EVAPOTRANSPIRATION  
NT FILM BOILING  
NT FLASHING (VAPORIZING)  
NT FREEZING  
NT FUSION (MELTING)  
NT LEIDENFROST PHENOMENON  
NT LEVITATION MELTING  
NT LIQUEFACTION  
NT MARTENSITIC TRANSFORMATION  
NT MELTING  
NT NUCLEATE BOILING  
NT PREVAPORIZATION  
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NT ACTINOMETERS

NT BOLOMETERS

NT CERENKOV COUNTERS

NT DICKE RADIOMETERS

NT DOSIMETERS

NT EBERT SPECTROMETERS

NT ELECTRON COUNTERS

NT ELECTROPHOTOMETERS

NT ELECTROSTATIC PROBES

NT FABRY-PEROT SPECTROMETERS

NT FLIR DETECTORS

NT INFRARED DETECTORS

NT INFRARED INSTRUMENTS

NT INFRARED RADIOMETERS

NT INFRARED SCANNERS

NT INFRARED SPECTROMETERS

NT INFRARED SPECTROPHOTOMETERS

NT MICROWAVE RADIOMETERS

NT NEUTRON COUNTERS

NT PARTICLE TELESCOPES

NT PHOTOMETERS

NT PROPORTIONAL COUNTERS

NT PYRANOMETERS

NT QUANTUM COUNTERS

NT RADIATION COUNTERS

NT RADIATION DETECTORS

NT RADIOMETERS

NT RIOMETERS

NT SCINTILLATION COUNTERS

NT SILICON RADIATION DETECTORS

NT SOLAR SPECTROMETERS

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NT LUMINANCE

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  - 03 p0398 A83-13803
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**RARE GASES**

NT ARGON  
NT ARGON ISOTOPES  
NT HELIUM  
NT HELIUM ATOMS  
NT HELIUM ISOTOPES  
NT KRYPTON  
NT LIQUID HELIUM  
NT LIQUID HELIUM 2  
NT NEON  
NT NEON ISOTOPES  
NT RADON  
NT RADON ISOTOPES  
NT XENON  
NT XENON ISOTOPES  
NT XENON 129  
NT XENON 133

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## RASERS

## U MASERS

## RATE METERS

## U MEASURING INSTRUMENTS

## RATES (PER TIME)

- NT ACCELERATION (PHYSICS)
- NT ACOUSTIC VELOCITY
- NT AIRSPEED
- NT ANGULAR ACCELERATION
- NT ANGULAR VELOCITY
- NT ARRHYTHMIA
- NT BRADYCARDIA
- NT BURNING RATE
- NT COLLISION PARAMETERS
- NT COLLISION RATES
- NT CRITICAL VELOCITY
- NT CURRENT DENSITY
- NT DECAY RATES
- NT DECELERATION
- NT DRIFT RATE
- NT ELECTRON ACCELERATION
- NT ELECTRON FLUX DENSITY
- NT ESCAPE VELOCITY
- NT EVAPORATION RATE

- NT FLOW VELOCITY
- NT FLUX (RATE)
- NT FLUX DENSITY
- NT GROUP VELOCITY
- NT HEART RATE
- NT HEAT FLUX
- NT HIGH ACCELERATION
- NT HIGH GRAVITY ENVIRONMENTS
- NT HIGH SPEED
- NT HYPERSONIC SPEED
- NT HYPOVENTILATION
- NT ILLUMINANCE
- NT IMPACT ACCELERATION
- NT ION PRODUCTION RATES
- NT IRRADIANCE
- NT LANDING SPEED
- NT LIGHT SPEED
- NT LOADING RATE
- NT LOW SPEED
- NT LUMINANCE
- NT LUMINOUS INTENSITY
- NT MAGNETIC FLUX
- NT MASS FLOW RATE
- NT NEUTRON FLUX DENSITY
- NT ORBITAL VELOCITY
- NT PARTICLE ACCELERATION
- NT PARTICLE FLUX DENSITY
- NT PHASE VELOCITY
- NT PHOTON DENSITY
- NT PHYSIOLOGICAL ACCELERATION
- NT PLASMA ACCELERATION
- NT PROPAGATION VELOCITY
- NT PROTON FLUX DENSITY
- NT PULSE RATE
- NT RADIAL VELOCITY
- NT RADIANCE
- NT RADIANT FLUX DENSITY
- NT RECOMBINATION COEFFICIENT
- NT RELATIVISTIC VELOCITY
- NT RESPIRATORY RATE
- NT ROTOR SPEED
- NT SIGNAL FADING RATE
- NT SOLAR CONSTANT
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- NT DIMENSIONLESS NUMBERS
- NT FUEL-AIR RATIO
- NT GRASHOF NUMBER
- NT HIGH ASPECT RATIO
- NT INDEXES (RATIOS)
- NT KP INDEX
- NT LEWIS NUMBERS

- NT LIFT DRAG RATIO
- NT LOW ASPECT RATIO
- NT MACH NUMBER
- NT MASS RATIOS
- NT MASS TO LIGHT RATIOS
- NT MODULAR RATIOS
- NT NUSSELT NUMBER
- NT PAYLOAD MASS RATIO
- NT POISSON RATIO
- NT PRANDTL NUMBER
- NT PRESSURE RATIO
- NT PROPELLANT MASS RATIO
- NT RAYLEIGH NUMBER
- NT REYNOLDS NUMBER
- NT RICHARDSON NUMBER
- NT SCALE (RATIO)
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- NT NUMERICAL DIFFERENTIATION  
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## RECOMPRESSION

U COMPRESSING

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NT EPOXY RESINS

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NT NYLON (TRADEMARK)

NT PHENOLIC EPOXY RESINS

NT PHENOLIC RESINS

NT POLYAMIDE RESINS

NT POLYESTER RESINS

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U RESISTOJET ENGINES

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U RESOLUTION

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NT ION ENGINES

NT LIQUID PROPELLANT ROCKET ENGINES

NT MERCURY ION ENGINES

NT MICROROCKET ENGINES

NT NOZZLELESS ROCKET ENGINES

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**U ROTATION**

**ROTATING BODIES**

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NT FLYWHEELS

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NT IMPELLERS

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NT RIGID ROTORS

NT ROTARY WINGS

NT ROTATING CYLINDERS



NT ROTATING DISKS  
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## SATELLITES

NT AEROS SATELLITE

NT AMALTHEA

NT ANIK 2

NT ANIK 3

NT ARIEL SATELLITES

NT ARIEL 3 SATELLITE

NT ARIEL 5 SATELLITE

NT ARTIFICIAL SATELLITES

NT ASTRONOMICAL NETHERLANDS SATELLITE

NT ATS 1

NT ATS 6

NT BEACON SATELLITES

NT BIOSATELLITES

NT CALLISTO

NT CHARON

NT COMMUNICATION SATELLITES

NT COMMUNICATIONS TECHNOLOGY SATELLITE

NT COMSTAR SATELLITES

NT COS-B SATELLITE

NT COSMIC BACKGROUND EXPLORER SATELLITE

NT COSMOS SATELLITES

NT COSMOS 1129 SATELLITE

NT DEIMOS

NT DIONE

NT DISCOVERER SATELLITES

NT DMSP SATELLITES

NT DYNAMICS EXPLORER SATELLITES

NT DYNAMICS EXPLORER 1 SATELLITE

NT DYNAMICS EXPLORER 2 SATELLITE

NT EARTH SATELLITES

NT ENCELADUS

NT ENVIRONMENTAL RESEARCH SATELLITES

NT EOSS

NT ERS-1 (ESA SATELLITE)

NT ESA SATELLITES

NT EUROPA

NT EUROPEAN COMMUNICATIONS SATELLITE

NT EXOSAT SATELLITE

NT EXPLORER 1 SATELLITE

NT EXPLORER 12 SATELLITE

NT EXPLORER 47 SATELLITE

NT EXPLORER 50 SATELLITE

NT EXPLORER 51 SATELLITE

NT EXPLORER 54 SATELLITE

NT EXPLORER 55 SATELLITE

NT FRENCH SATELLITES

NT GALILEAN SATELLITES

NT GANYMEDE

NT GEODETIC SATELLITES

NT GEOPHYSICAL SATELLITES

NT GEOS SATELLITES (ESA)

NT GEOS 1 SATELLITE

NT GEOS 2 SATELLITE

NT GEOS 3 SATELLITE

NT GOES SATELLITES

NT GRAVITY GRADIENT SATELLITES

NT GRAVSAT SATELLITE

NT HAWKEYE SATELLITES

NT HEAO 1

NT HEAO 2

NT HEAO 3

NT HELIOS A

NT HELIOS SATELLITES

NT HELIOS 1

NT HELIOS 2

NT HEOS SATELLITES

NT HIPPARCOS SATELLITE

NT HYPERION

NT IAPETUS

NT INFRARED ASTRONOMY SATELLITE

NT INTELSAT SATELLITES

NT INTERCOSMOS SATELLITES

NT INTERNATIONAL SUN EARTH EXPLORER 1

NT INTERNATIONAL SUN EARTH EXPLORER 2

NT INTERNATIONAL SUN EARTH EXPLORER 3

NT INTERNATIONAL SUN EARTH EXPLORERS

NT IO

NT IRIS SATELLITES

NT IUE

NT JUPITER SATELLITES

NT L-SAT

NT LAGEOS (SATELLITE)

NT LANDSAT D PRIME

NT LANDSAT SATELLITES



NT	LANDSAT 2	
NT	LANDSAT 3	
NT	LANDSAT 4	
NT	LONG DURATION EXPOSURE FACILITY	
NT	LUNAR ORBITER	
NT	LUNAR SATELLITES	
NT	MAGELLAN MISSION	
NT	MAGSAT SATELLITES	
NT	MAPSAT	
NT	MARECS MARITIME SATELLITES	
NT	MARISAT SATELLITES	
NT	MARITIME SATELLITES	
NT	MAROTS (ESA)	
NT	METEOROLOGICAL SATELLITES	
NT	METEOSAT SATELLITE	
NT	MIMAS	
NT	MOON	
NT	MULTISPECTRAL RESOURCE SAMPLER	
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NT	NIMBUS 7 SATELLITE	
NT	NOAA SATELLITES	
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NT	POGO	
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NT	ROSAT MISSION	
NT	SAGE SATELLITE	
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NT	TD-1 SATELLITE	
NT	TDR SATELLITES	
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NT	TIROS N SERIES SATELLITES	
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NT	TRITON	
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NT BARRITT DIODES

NT BIPOLAR TRANSISTORS

NT CHARGE COUPLED DEVICES

NT CHARGE TRANSFER DEVICES

NT CMOS

NT FIELD EFFECT TRANSISTORS

NT GALLIUM ARSENIDE LASERS

NT HETEROJUNCTION DEVICES

NT JFET

NT JUNCTION DIODES

NT JUNCTION TRANSISTORS

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NT MIM (SEMICONDUCTORS)

NT MIM DIODES

NT MIS (SEMICONDUCTORS)

NT MOM (SEMICONDUCTORS)

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NT SCHOTTKY DIODES

NT SEMICONDUCTOR LASERS

NT SILICON CONTROLLED RECTIFIERS

NT SILICON TRANSISTORS

NT SOS (SEMICONDUCTORS)

NT THERMISTORS

NT THYRISTORS

NT TRANSFERRED ELECTRON DEVICES

NT TRANSISTOR AMPLIFIERS



NT TRANSISTORS  
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U S WAVES

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- TOPPSY - A time overlapped parallel processing system  
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- Long-wave acoustic flowmeter  
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- General form for representing the Fourier transform  
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- Estimation of truncation and aliasing errors involved in DFT computation  
24 p3621 A83-49968

## SIGNAL RECEPTION

## NT SYMBOLS

## NT TELEVISION RECEPTION

- Accuracy of the estimation of point-target coordinates and their derivatives  
01 p0030 A83-10407
- Infradyne reception  
01 p0031 A83-10801
- The effect of reflections on a circularly polarized radio signal radiated from the sea surface  
01 p0031 A83-10811
- Spread spectrum techniques  
02 p0163 A83-11921
- A new method for the laser sounding of the atmosphere based on the reception of an echo signal by the laser  
05 p0645 A83-17632
- The noise immunity of reception of PSK signals in a channel with gamma fadings  
05 p0623 A83-17687
- Determination of the electron content of the plasmasphere by means of coherent signals of ATS-6, recorded in Neustrelitz  
06 p0786 A83-18361
- Diversity reception of a 19-GHz satellite beacon signal during intense rainy periods in Florida  
06 p0746 A83-18722
- On the performance of a code division multiple access scheme with transmit/receive conflicts  
07 p0908 A83-19737
- Virtual center arraying  
07 p0916 A83-21199



- Time synchronisation of an HF radio modem  
08 p1075 A83-21995
- Synthesis of optimal signals for single-channel systems of delay search  
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- Toward the optimization of a direct-detection optical receiver of analog HF and microwave signals  
08 p1082 A83-23166
- Reciprocal optimization of noise and signal spectra  
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- Multipath propagation in the radio field of aircraft navigation systems  
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- Investigation of the noise immunity of reception of quantum coherent signals with multilevel PSK  
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- Response of a selective receiver with a Josephson detector to microwave signals with different spectra  
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- Acquisition and tracking system for a ground-based laser communications receiver terminal  
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- Asymptotic reception of optical signals in conditions of indeterminacy  
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- Optimal discrimination of jumps of diffusion trajectories  
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- The turbulent scattering channel - Effective heterodyne receiver size for optical through millimeter wavelengths  
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## SILICON COMPOUNDS

NT ALUMINUM SILICATES

NT ANDESITE

NT BERYL

NT CALCIUM SILICATES

NT DISILICIDES

NT ENSTATITE

NT FAYALITE

NT FELDSPARS

NT FORSTERITE

NT GARNETS

NT MONTMORILLONITE

NT ORGANIC SILICON COMPOUNDS

NT PYROXENES

NT QUARTZ

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NT SOLAR NEUTRINOS

NT SOLAR PROTONS

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NT H ALPHA LINE

NT H BETA LINE

NT H LINES

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NT K LINES

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U PROTECTIVE COATINGS

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### U FOUNDATIONS

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- NT BOX BEAMS
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- NT CIRCULAR PLATES
- NT COLUMNS (SUPPORTS)
- NT CORRUGATED PLATES
- NT CURVED BEAMS
- NT ELASTIC PLATES
- NT FLAT PLATES
- NT GIRDERS
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NT BISMUTH SULFIDES

NT CADMIUM SULFIDES

NT CALCIUM SULFIDES

NT CARBON DISULFIDE

NT COPPER SULFIDES

NT DISULFIDES

NT HYDROGEN SULFIDE

NT INDIUM SULFIDES

NT INORGANIC SULFIDES

NT LEAD SULFIDES

NT MOLYBDENUM DISULFIDES

NT MOLYBDENUM SULFIDES

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**SULFUR COMPOUNDS**

NT AMMONIUM SULFATES

NT BISMUTH SULFIDES

NT CADMIUM SULFIDES

NT CALCIUM SULFIDES

NT CARBON DISULFIDE

NT COPPER SULFIDES

NT DISULFIDES

NT HYDROGEN SULFIDE

NT INDIUM SULFIDES

NT INORGANIC SULFIDES

NT LEAD SULFIDES

NT LITHIUM SULFATES

NT MAGNESIUM SULFATES

NT MOLYBDENUM DISULFIDES

NT MOLYBDENUM SULFIDES

NT ORGANIC SULFUR COMPOUNDS

NT POLYSULFIDES

NT PYRITES

NT SODIUM SULFATES

NT SULFATES

NT SULFIDES

NT SULFONES

NT SULFUR CHLORIDES

NT SULFUR DIOXIDES

NT SULFUR FLUORIDES

NT SULFUR OXIDES

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NT THIOLS

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NT RUTILE

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**TRANSISTOR-TRANSISTOR-LOGIC**

U TTL INTEGRATED CIRCUITS

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NT BIPOLAR TRANSISTORS

NT FIELD EFFECT TRANSISTORS

NT JFET

NT JUNCTION TRANSISTORS

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**TRANSITION METALS**

NT CADMIUM

NT CHROMIUM

NT COBALT

NT COBALT ISOTOPES

NT COBALT 60

NT GOLD

NT GOLD ISOTOPES

NT HAFNIUM ISOTOPES

NT IRIDIUM

NT IRON

NT IRON ISOTOPES

NT IRON 57

NT MANGANESE

NT MANGANESE ISOTOPES

NT MOLYBDENUM

NT NICKEL

NT NICKEL ISOTOPES

NT NIOBIUM

NT OSMIUM ISOTOPES

NT PALLADIUM

NT PLATINUM

NT REFRACTORY METALS

NT RHENIUM

NT RHENIUM ISOTOPES

NT RUTHENIUM

NT SCANDIUM

NT SILVER

NT SILVER ISOTOPES

NT TANTALUM

NT TANTALUM ISOTOPES

NT TECHNETIUM

NT TITANIUM

NT TITANIUM ISOTOPES

NT TUNGSTEN

NT TUNGSTEN ISOTOPES

NT VANADIUM

NT YTTRIUM

NT ZINC

NT ZIRCONIUM

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NT THREE DIMENSIONAL FLOW

NT THREE DIMENSIONAL MOTION

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**TRANSPLANAR SPACE****U INTERPLANETARY SPACE****TRANSMISSION**

NT ACOUSTIC PROPAGATION

NT AERODYNAMIC HEAT TRANSFER

NT CODE DIVISION MULTIPLE ACCESS

NT CODE DIVISION MULTIPLEXING

NT CONDUCTIVE HEAT TRANSFER

NT CONVECTIVE HEAT TRANSFER

NT DATA TRANSMISSION

NT DEMULTIPLEXING

NT DIFFRACTION PROPAGATION

NT DOUBLE SIDEBAND TRANSMISSION

NT ELECTRIC POWER TRANSMISSION

NT ELECTROMAGNETIC WAVE TRANSMISSION

NT FREQUENCY DIVISION MULTIPLE ACCESS

NT FREQUENCY DIVISION MULTIPLEXING

NT GROUND WAVE PROPAGATION

NT HALOS

NT HEAT TRANSFER

NT HEAT TRANSMISSION

NT HYPERSONIC HEAT TRANSFER

NT IONOSPHERIC F-SCATTER PROPAGATION

NT IONOSPHERIC PROPAGATION

NT LAMINAR HEAT TRANSFER

NT LIGHT SCATTERING

NT LIGHT TRANSMISSION

NT MICROWAVE ATTENUATION

NT MICROWAVE TRANSMISSION

NT MULTIPATH TRANSMISSION

NT MULTIPLE ACCESS

NT MULTIPLEXING

NT PCM TELEMTRY

NT RADAR TRANSMISSION

NT RADIATIVE HEAT TRANSFER

NT RADIO TRANSMISSION

NT SATELLITE TRANSMISSION

NT SCATTER PROPAGATION

NT SELF PROPAGATION

NT SHOCK WAVE PROPAGATION

NT SHORT WAVE RADIO TRANSMISSION

NT SIGNAL TRANSMISSION

NT SINGLE CHANNEL PER CARRIER TRANSMISSION

NT SINGLE SIDEBAND TRANSMISSION

NT SOUND TRANSMISSION

NT SPREAD SPECTRUM TRANSMISSION

NT STRESS PROPAGATION

NT SUPERSONIC HEAT TRANSFER

NT TELEPHONY

NT TELEVISION TRANSMISSION

NT TIME DIVISION MULTIPLEXING

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NT C-130 AIRCRAFT

NT C-135 AIRCRAFT

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**TRANSPORT PROPERTIES**

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## UPPER ATMOSPHERE

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NT GROUP VELOCITY

NT HIGH SPEED

NT HYPERSONIC SPEED

NT LANDING SPEED

NT LIGHT SPEED

NT LOW SPEED

NT ORBITAL VELOCITY

NT PHASE VELOCITY

NT PROPAGATION VELOCITY

NT RADIAL VELOCITY

NT RELATIVISTIC VELOCITY

NT ROTOR SPEED

NT SOLAR VELOCITY

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